

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
10 February 2005 (10.02.2005)

PCT

(10) International Publication Number
WO 2005/011367 A1

(51) International Patent Classification⁷:
S/10, C12N 15/82, S/04, C07K 14/765

A01H 5/00,

(74) Agents: CHRISTENBURY, Daniel, T. et al.; Piper Rudnick LLP, 3400 Two Logan Square, 18th and Arch Streets, Philadelphia, PA 19103 (US).

(21) International Application Number:

PCT/US2003/021158

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 3 July 2003 (03.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): UNIVERSITY OF CENTRAL FLORIDA [US/US]; Office of Technology Transfer, 4000 Central Florida Boulevard, Orlando, FL 32816-0150 (US).

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): DANIEL, Henry [US/US]; 1440 Pelican Bay Trail, Winter Park, FL 32792 (US).

Published:

— with international search report

[Continued on next page]

(54) Title: A CHLOROPLAST TRANSGENIC APPROACH TO EXPRESS AND PURIFY HUMAN SERUM ALBUMIN, A PROTEIN HIGHLY SUSCEPTIBLE TO PROTEOLYTIC DEGRADATION

